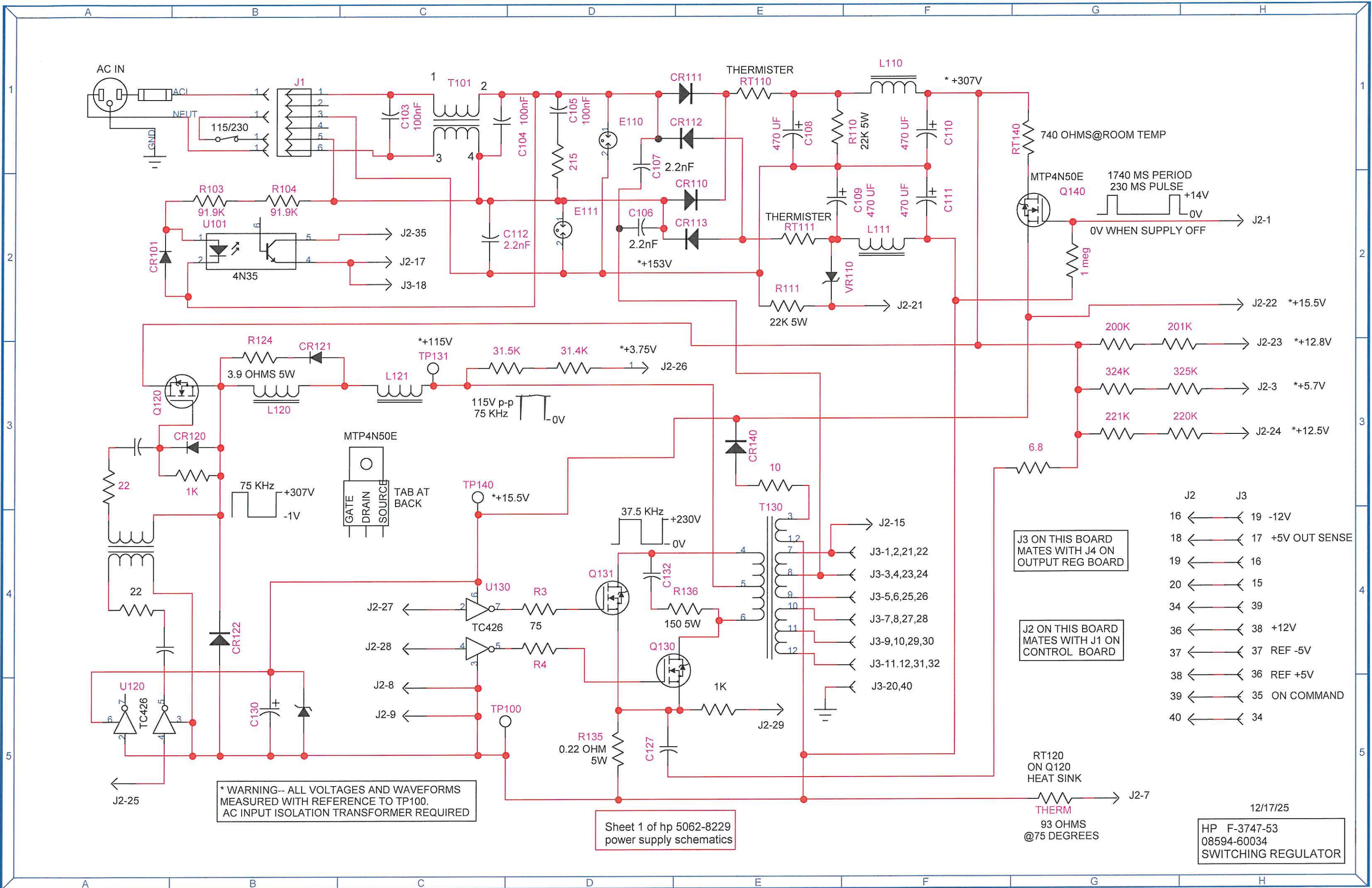




* WARNING-- ALL VOLTAGES AND WAVEFORMS
MEASURED WITH REFERENCE TO TP100.
AC INPUT ISOLATION TRANSFORMER REQUIRED

Sheet 1 of hp 5062-8229
power supply schematics

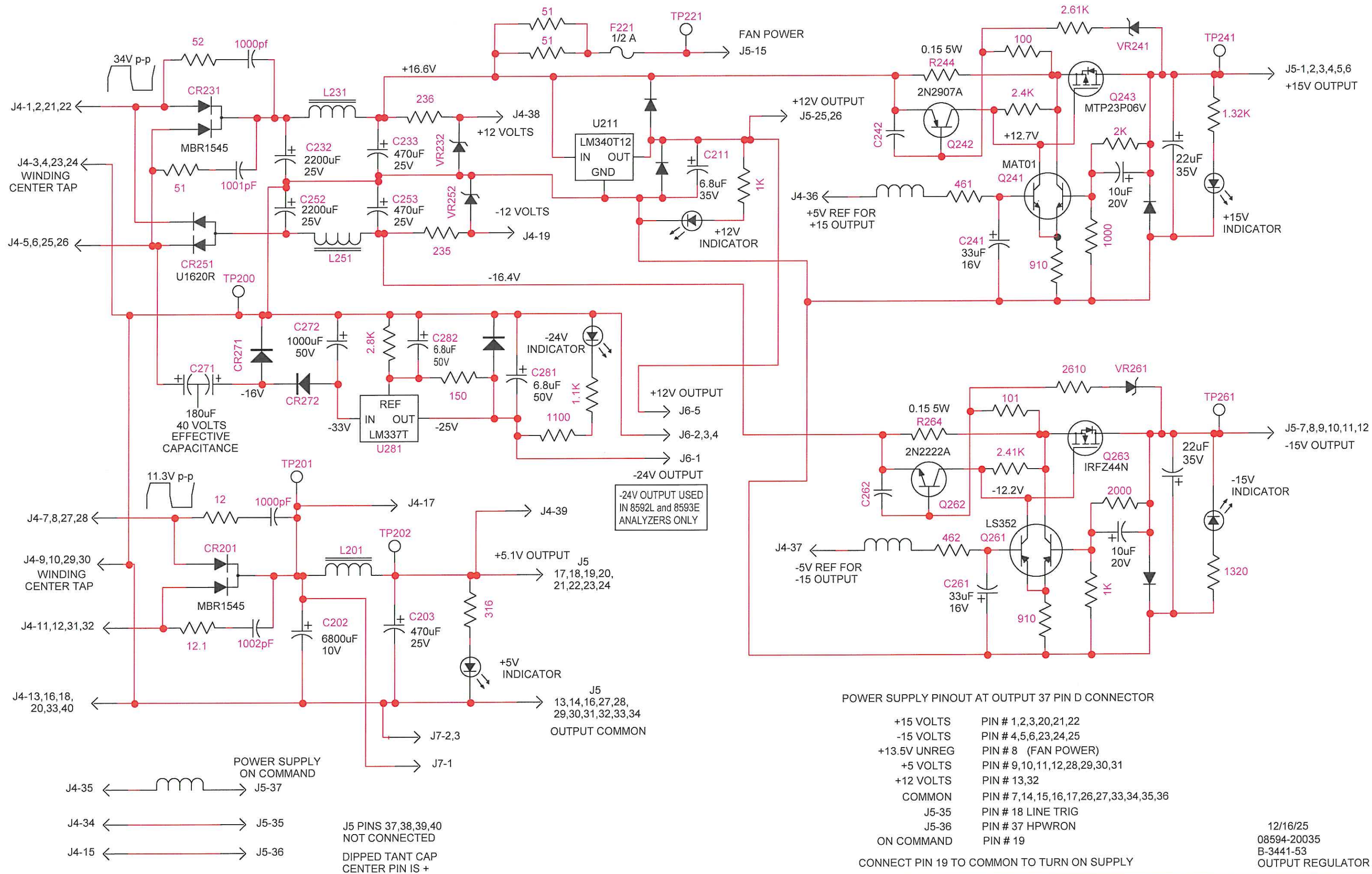
J3 ON THIS BOARD
MATES WITH J4 ON
OUTPUT REG BOARD

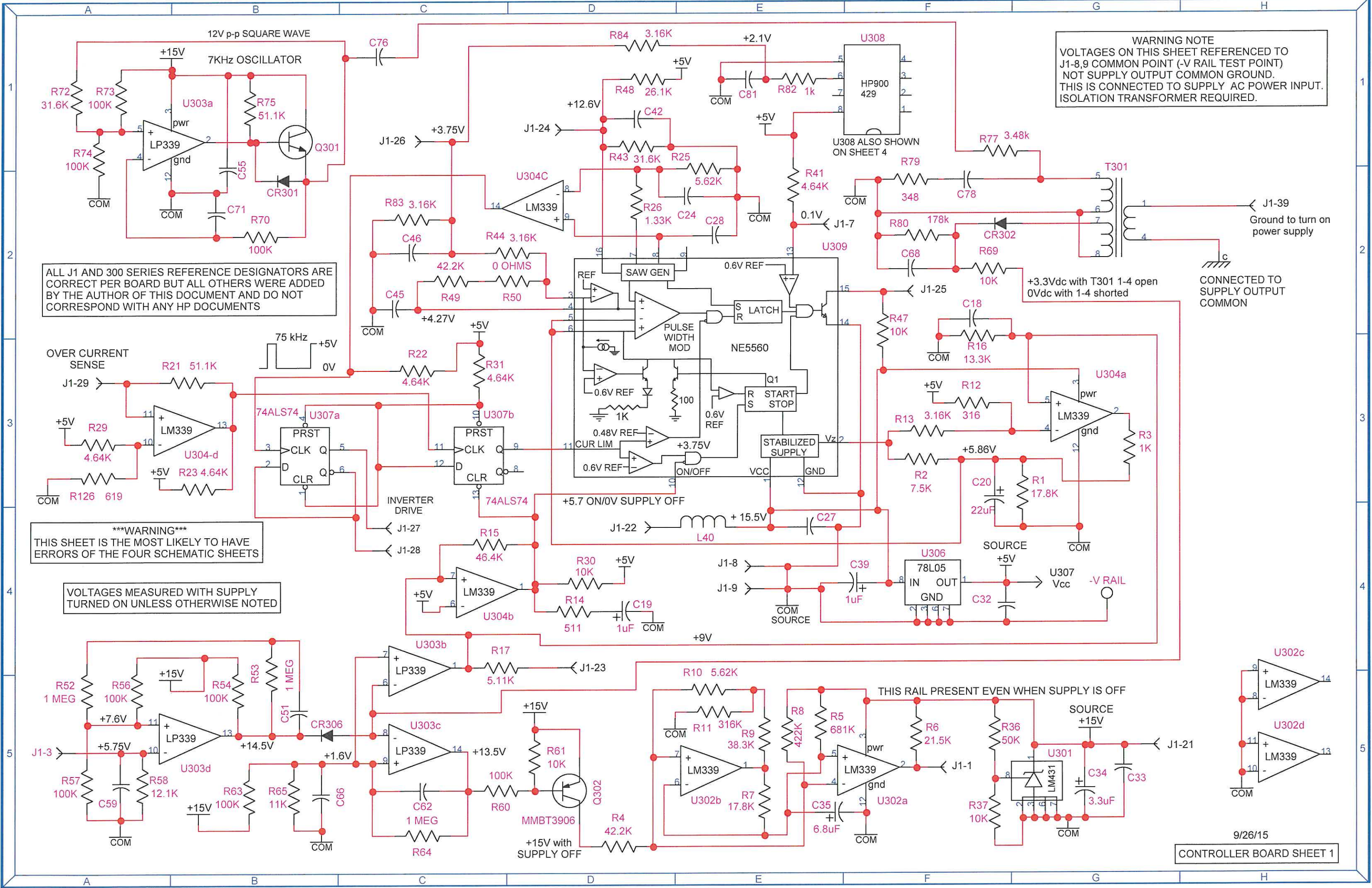
J2 ON THIS BOARD
MATES WITH J1 ON
CONTROL BOARD

J2	J3
16	19 -12V
18	17 +5V OUT SENSE
19	16
20	15
34	39
36	38 +12V
37	37 REF -5V
38	36 REF +5V
39	35 ON COMMAND
40	34

RT120
ON Q120
HEAT SINK
THERM
93 OHMS
@75 DEGREES

12/17/25
HP F-3747-53
08594-60034
SWITCHING REGULATOR





WARNING NOTE
VOLTAGES ON THIS SHEET REFERENCED TO
J1-8,9 COMMON POINT (-V RAIL TEST POINT)
NOT SUPPLY OUTPUT COMMON GROUND.
THIS IS CONNECTED TO SUPPLY AC POWER INPUT.
ISOLATION TRANSFORMER REQUIRED.

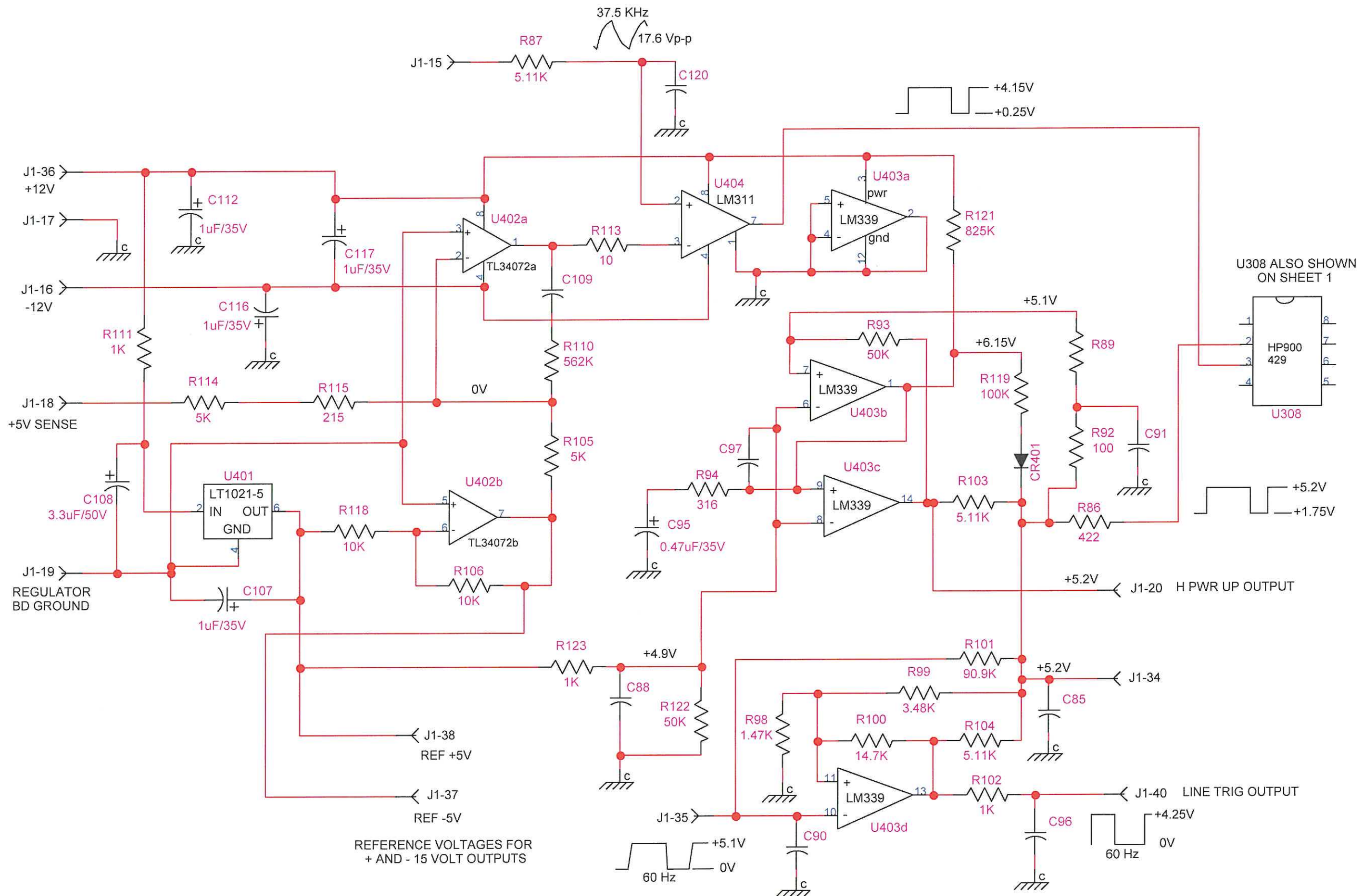
ALL J1 AND 300 SERIES REFERENCE DESIGNATORS ARE
CORRECT PER BOARD BUT ALL OTHERS WERE ADDED
BY THE AUTHOR OF THIS DOCUMENT AND DO NOT
CORRESPOND WITH ANY HP DOCUMENTS

OVER CURRENT
SENSE

WARNING
THIS SHEET IS THE MOST LIKELY TO HAVE
ERRORS OF THE FOUR SCHEMATIC SHEETS

VOLTAGES MEASURED WITH SUPPLY
TURNED ON UNLESS OTHERWISE NOTED

THIS RAIL PRESENT EVEN WHEN SUPPLY IS OFF



ALL J1,300 AND 400 SERIES REFERENCE DESIGNATORS ARE CORRECT PER BOARD
BUT ALL OTHERS WERE ADDED BY THE AUTHOR AND DO NOT MATCH THE BOARD

9/25/15

CONTROLLER BOARD SHEET 2